



17236 U.S. PTO

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:) DIVISIONAL
) PATENT APPLICATION
Inventors: Wei Pan, David R. Evans))
and Sheng Teng Hsu) January 21, 2004
)
Serial No.: Unknown) Attorney Docket No.
) SLA0861 (SLA0603D)
)
Filed: Herewith) Parent Application:
)
Title: INTEGRATED CIRCUIT) Serial No. 10/140,460
STRUCTURE WITH COPPER) Filed: May 6, 2002
INTERCONNECT))
) Pending in Group Art
) Unit 2818
)
) Examiner: Thao P. Le
)
Assignee: Sharp Laboratories of) Anticipated Classification:
America, Inc.) Class: 257
) Subclass: 565
)

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10/761784



**CERTIFICATE OF MAILING BY "EXPRESS MAIL"
UNDER 37 C.F.R. 1.10**

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Victoria Woods

Signature Date: January 21, 2004

DIVISIONAL APPLICATION UNDER 37 C.F.R. §1.53(b)

Mail Stop PATENT APPLICATION
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Sir:

The undersigned, attorney-of-record in parent application Serial No. 10/140,460, filed May, 2002, entitled "Ultra Thin Tungsten Metal Films Used as Adhesion Promoter Between Barrier Metals and Copper," hereby requests the filing of a Divisional Application under the provisions of 37 C.F.R. §1.53(b).

Identification of the Parent of the Present Divisional Application:

Serial No.: 10/140,460

Filed: May 6, 2002

Title: Ultra Thin Tungsten Metal Films Used as Adhesion Promoter Between Barrier Metals and Copper

Inventors: Wei Pan, David R. Evans, and Sheng Teng Hsu

Status: Pending

Copy of Present Divisional Application:

Enclosed is a copy of the present divisional application which incorporates the following changes from the as-filed specification and drawings in parent application Serial No. 10/140,460: The titled has been changed, an introductory cross-reference section has been added on page 1, and formal drawings have replaced the as-filed informal drawings. The present divisional application includes the following papers:

- X No. of Pages in Specification: 12 No. of Claims: 21.
- X No. of Sheets of Drawings: 2 Formal: X or Informal: .
- X Copy of the Declaration (signed by all inventors) in parent application Serial No. 10/140,460.
- X Copy of the Power of Attorney in parent application Serial No. 10/140,460.

Parent application Serial No. 10/140,460, filed May 6, 2002, entitled " Ultra Thin Tungsten Metal Films Used as Adhesion Promoter Between Barrier Metals and Copper," is hereby incorporated herein by reference.

Delete the Following Inventor(s) for This Application: None

Amendments:

X Please amend the enclosed specification as follows:

Cancel claims 1-18.

Filing Fee

The Divisional Patent Application filing fee is calculated after cancellation of claims 1-18, as shown below:

No. Filed	No. Extra	Rate Small Entity/ Other Than Small Entity
Basic		\$385.00
Fee		\$770.00
		\$ 770.00
Total		\$ 9.00
Claims <u>3</u>	<u>(20)</u>	= <u>0</u> X \$18.00 = \$ 00.00
Independent		\$43.00
Claims <u>1</u>	<u>(3)</u>	= <u>0</u> X \$86.00 = \$ 00.00
First Presentation of		\$145.00
Multiple Dependent Claim(s) <u>0</u>		\$290.00 = \$ 00.00
Total PATENT APPLICATION FILING FEE		\$ 770.00

The total fee associated with this communication is as follows:

Patent application filing fee	\$ 770.00
	=====
TOTAL FEE DUE:	\$ 770.00

Method of Payment of Fees

A check in the amount of the TOTAL FEE DUE is enclosed.

Please charge Deposit Account No. 19-1457 in the amount of \$ 770.00.
A duplicate copy of this authorization is enclosed.

The Commissioner is hereby authorized to charge underpayment
of any fees associated with this communication, or
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duplicate copy of this authorization is enclosed.

Customer Number

The Customer Number of the undersigned attorney is:

27518

Correspondence Address

Please direct all correspondence in this application to the following:

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Respectfully submitted,

By:

David C. Ripma
Reg. No. 27,672